## **EAST Search History**

## **EAST Search History (Prior Art)**

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2	"20020168618".pn. and (detect\$3 optical sensor thick\$4 presen \$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 14:47
L2	1	"20020168618".pn. and (detect\$3 thick\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 15:22
L3	1	"20020168618".pn. and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 15:56
L4	6	"20020168618".pn. "6929481".pn. "6106301".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 15:58
L5	2	4 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 15:58
L6	0	4 and "spring constant"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 15:59
L7	11	"20020168618".pn. "6929481".pn. "6106301".pn. "3426448".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 16:08
L8	3	7 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 16:08

L9	0	7 and "spring constant"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 16:09
L10	59	("20010016804"   "20010055748"   "20020137014"   "20020168618"   "20030069719"   "20040015070"   "20040234933"   "20060127864"   "20060234195"   "4907973"   "5380307"   "5805140"   "5828197"   "5882206"   "5987960"   "6038488"   "6106301"   "6191796"   "6267599"   "6443735"   "6470302"   "6538634"   "6773263"   "6785572"   "6857878"   "6929481"   "6939138"   "7056123"   "7156664"   "7191110"   "7371067").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13
L12	1	10 and "spring constant"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 16:10
L13	15	10 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 16:14
L14	5	7 and spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 16:15
L15	1	7 and spring with force	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 16:17

S46	1032	434/262,272.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S47	4	("4907973"   "6106301").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S48	6	grund-pedersen.in. adj jan	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S49	1	"538005".ap. and stiffness	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S50	166	S46 and (stent distal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S51	2	S46 and (stent distal) with cone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S52	31	S46 and (stent distal) with vessel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S53	5	S46 and (stent distal) with vessel with (value stiff\$4 diameter spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S54	14	S46 and (alexander.in. hon.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S55	19	S46 and (alexander.in. hon.in. anderson.in.)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25

<b>S</b> 56	11	S46 and (alexander.in. hon.in. anderson.in.) and (stent distal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
<b>S</b> 57	10	S46 and (alexander.in. hon.in. anderson.in.) and (stent distal) and (stiff diameter spring)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S58	8	S46 and (alexander.in. hon.in. anderson.in.) and (stent distal) and (stiff\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S59	12	S46 and stiff\$4 with vessel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S60	233	S46 and diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S61	1	S46 and rest near3 diameter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S62	4	S46 and inner near3 diameter with vessel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S63	7	S46 and (alexander.in. hon.in.) and stent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S64	1	S46 and rest near3 thick \$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S65	37	434/262,272.ccls. and cone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25

S66	1	434/262,272.ccls. and (double twice) near4 cone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S67	2	434/262,272.ccls. and distal with net	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S68	9	S46 and (alexander.in. hon.in. anderson.in.) and expand\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S69	2	"20020168618".pn. and (vessel stent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S70	0	"20020168618".pn. and (vessel with stent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S71	1	"20020168618".pn. and (vessel same stent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S72	1	"20020168618".pn. and (lumen same stent)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S73	1032	434/262,272.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S74	140	S73 and (distal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S75	1	S73 and (distal) same cone with net	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25

S76	3	S73 and (distal) same cone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
<b>S</b> 77	1	434/262,272.ccls. and cone with net	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S78	1	434/262,272.ccls. and cone with intervention	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S79	9	434/262,272.ccls. and (instrument device) with cone	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S80	0	"20020168618".pn. and distal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S81	1	"20020168618".pn. and (catch\$3 net\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S82	0	"20020168618".pn. and (catch\$3 grad\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S83	0	"20020168618".pn. and (catch\$3 grab\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S84	0	"20020168618".pn. and (catch\$3 grab\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S85	28	434/262,272.ccls. and net	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25

S86	69	434/262,272.ccls. and particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S87	0	"20020168618".pn. and particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
S88	3	434/262,272.ccls. and (catch\$3 grab\$4 net\$4) with particle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:25
<b>S</b> 89	49	("20010016804"   "20010055748"   "20020137014"   "20020168618"   "20030069719"   "20040015070"   "20040234933"   "20060127864"   "20060234195"   "5805140"   "5828197"   "5882206"   "6038488"   "6191796"   "6267599"   "6443735"   "6470302"   "6538634"   "6773263"   "6785572"   "6857878"   "6939138"   "7056123"   "7191110"   "7371067").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:35
S90	4	value with stiffness with diameter with rest with spring	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:52
S91	1	(value with stiffness with diameter with rest with spring).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/07 15:56

S92	59	("20010016804"	US-PGPUB;	OR	ON	2010/06/28
00Z	Ja	"20010016804"	USPAT; USOCR;	OII	ON	10:04
		"20020137014"	EPO; JPO;			10.01
		"20020168618"	DERWENT;			
		"20030069719"	IBM TDB			
		"20040015070"				
		"20040234933"				
		"20060127864"				
		"20060234195"				
		"4907973"   "5380307"				
		"5805140"				
		"5828197"   "5882206"				
		"5987960"				
		"6038488"   "6106301"				
		"6191796"				
		"6267599"   "6443735"				
		"6470302"				
	au in	"6538634"   "6773263"				
		"6785572"				
		"6857878"   "6929481"				
		"6939138"				
		"7056123"   "7156664"				
		"7191110"				
		"7371067").PN.				
S93	127474	instrument same (stiff	US-PGPUB;	OR	ON	2010/06/28
		\$4 diameter spring)	USPAT; USOCR;			10:23
			EPO; JPO;			
			DERWENT;			
ļ			IBM_TDB			
S94	1038	434/262,272.ccls.	US-PGPUB;	OR	ON	2010/06/28
			USPAT; USOCR;			10:24
			EPO; JPO;			
			DERWENT;			
			IBM_TDB			
S95	60	instrument same (stiff	US-PGPUB;	OR	ON	2010/06/28
		\$4 diameter spring)	USPAT; USOCR;			10:24
		and S94	EPO; JPO;			
			DERWENT;			
<u></u>			IBM_TDB			
S96	2	instrument same (stiff	US-PGPUB;	OR	ON	2010/06/28
		\$4 and diameter and	USPAT; USOCR;			10:26
		spring) and S94	EPO; JPO;			
			DERWENT;			***************************************
£	p		IBM_TDB			
S97	45	434/262,272.ccls. and	US-PGPUB;	OR	ON	2010/06/29
		stent	USPAT; USOCR;			14:58
			EPO; JPO;			***************************************
			DERWENT;			
}			IBM_TDB			

S98	3	"spring constant" and "tactile feedback" and "434"/\$.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/29 15:02
S99	49	("20010016804"   "20010055748"   "20020137014"   "20020168618"   "20030069719"   "20040015070"   "20040234933"   "20060127864"   "20060234195"   "5805140"   "5828197"   "5882206"   "6038488"   "6191796"   "6267599"   "6443735"   "6470302"   "6538634"   "6773263"   "6785572"   "6857878"   "6939138"   "7056123"   "7156664"   "7191110"   "7371067").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:36
S100	4	("5380307"   "5987960").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:37
S101	53	S99 S100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:40
S102	11	S101 and stent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:40
S103	1039	434/262,272.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:43
S104	41	stiff\$4 and vessel and diameter and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:43

S105	0	stent and diameter and "spring constnat"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:43
S106	1	stent and diameter and "spring constant" and S103	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/06/30 09:43
S107	4	("5380307"   "5987960").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:02
S108	49	("20010016804"   "20010055748"   "20020137014"   "20020168618"   "20030069719"   "20040015070"   "20040234933"   "20060127864"   "20060234195"   "5885140"   "5828197"   "5882206"   "6038488"   "6191796"   "6267599"   "6443735"   "6470302"   "6538634"   "6773263"   "6785572"   "6857878"   "6939138"   "7056123"   "7156664"   "7191110"   "7371067").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13
S109	53	S107 S108	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:23
S110	18	S109 and (stiffness diameter "spring constant")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:24
S111	1	S109 and (stiffness and diameter and "spring constant")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:24

S112	9	S109 and (stiffness diameter "spring constant") and stent	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:27
S113	0	S109 and (diameter with stent with vessel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:28
S114	1	S109 and (diameter same stent same vessel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:28
S115	0	S109 and (diameter same stent same tissue)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:28
S116	1	S109 and ("spring constant")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:29
S117	6	S109 and (diameter same (tool stent))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2010/07/13 11:30

## **EAST Search History (Interference)**

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